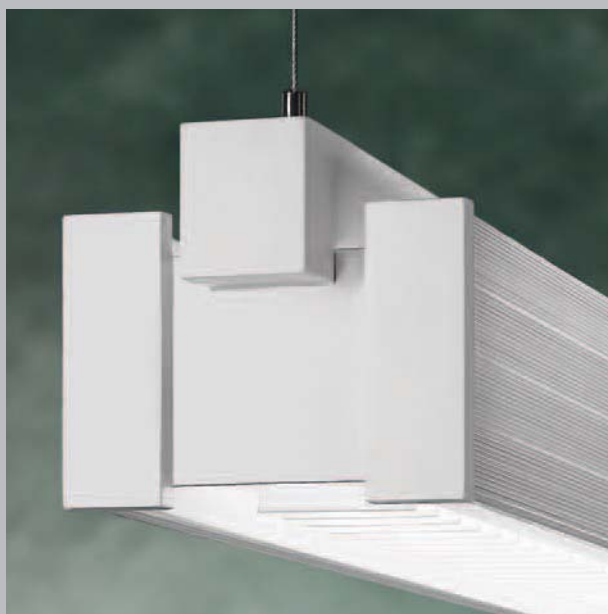
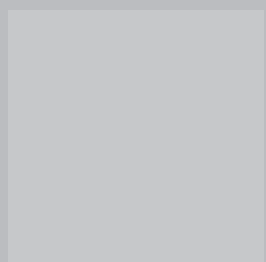
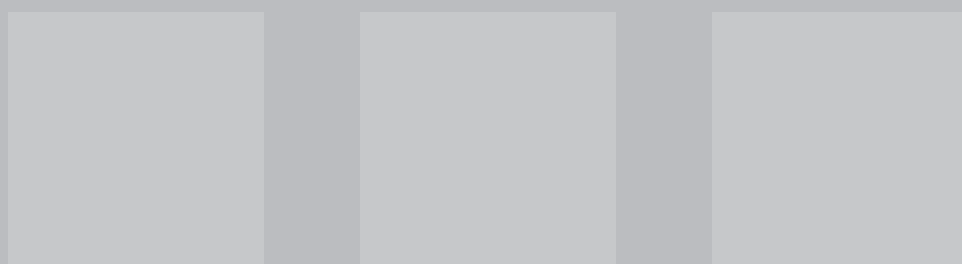
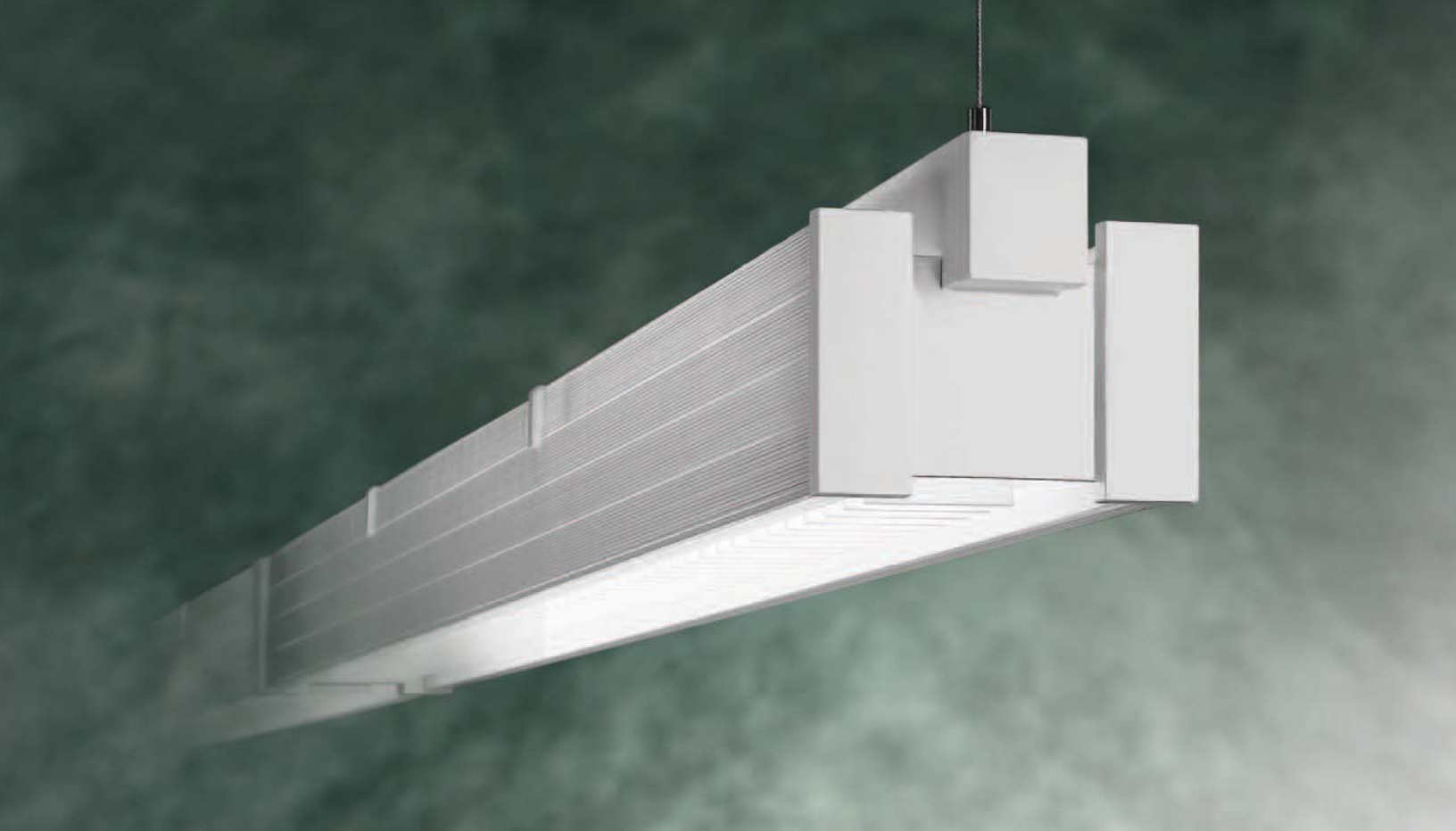


LFK

Lighting Systems



LIGHTTOLIER®



Wireway Spine

Extruded aluminum. Can accommodate a maximum ballast size of 1.18" x 1.18".

Housing

Multi-layered 5/8" thick polycarbonate panels with prism design. Clear outer layer and an opal non-glare inner layer. Light transmission is 32% ASTM D1003 perpendicular to the panel. Reflectivity is more than 40% perpendicular to the panel.

Endcap

Die-cast aluminum.

Lamp

T5 linear fluorescent, 28 or 54 watt (by others).

Louver

Die-formed straight blade aluminum. Lift-and-shift attachment.

Ballast

Electronic, meets ANSI starting, end of life protection, T.H.D., sound rating, and end-of-life specifications. Advance Mark X uses standard power feed. Order X4 for EM Battery Pack or non-standard dimming options. Order X5 for Osram or DALI 54 watt dimming. X4 option for Lutron or Hi-Lume or ECO-10 54 watt dimming.

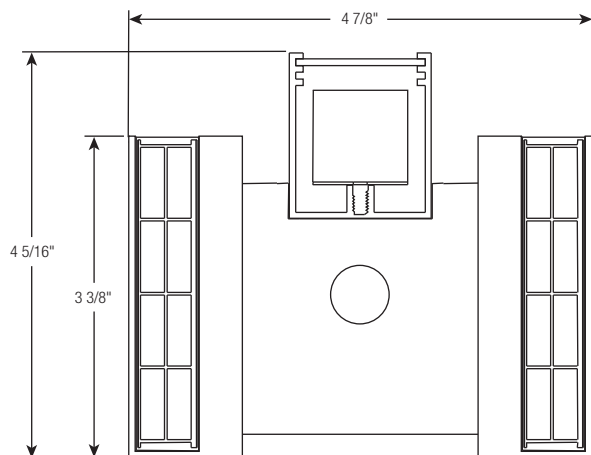
Wiring

3 Conductor 18 gauge wire. Color-coded quick connectors allow ease of connection for fixture modules.

Mounting

Mounting locations are adjustable 6" from the end of the module along the top of the spine. Cable suspension consists of 4 1/2" diameter canopy finished white enamel, 1/16" diameter stainless steel aircraft cable adjustable up to 36".

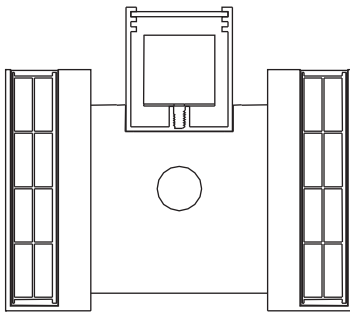
Dimming, emergency battery pack and dual switching is also available. Patent applied for.



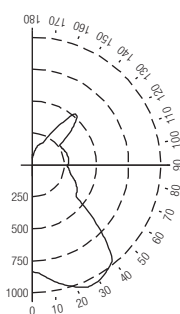


The Lightolier LFK linear luminaire uses a unique “lens” design to create a highly efficient luminaire. The line of fixtures appears light and airy because of the glowing multi-wall lens on the sides of the luminaire. LFK was designed to achieve high levels of uniform light on a vertical surface. Features include an optional straight blade louver to shield the downlight component and mounting locations that are adjustable along the top of the spine 6" from either end. LFK is a perfect lighting solution for library stack lighting, laboratories, music halls, art school classrooms as well as corridors, high end retail and common meeting areas. Anywhere there's a need for high vertical footcandles on a wall, cabinets or book-stack, LFK performs.

LFK-1 1 Light T5 Open Shielding



Candlepower Curve



Report No.: IFL54306
Lamps: 1-F54T5
Lumens: 5000
Efficiency: 87.0%

Zone Deg.	0	22	45	67	90
Candlepower					
180	54	54	54	54	54
175	53	56	61	65	68
165	51	74	113	140	149
155	50	104	160	182	190
145	46	127	193	339	400
135	40	131	344	491	475
125	32	153	360	277	264
115	23	229	184	247	275
105	13	75	162	250	286
95	6	51	131	234	286
90	0	40	118	224	277
85	15	60	132	237	285
75	129	145	214	284	317
65	287	445	293	357	381
55	422	617	600	438	418
45	550	731	848	844	784
35	659	799	948	997	1012
25	745	833	953	1025	1050
15	806	847	910	953	971
5	836	844	857	860	864
0	835	835	835	835	835

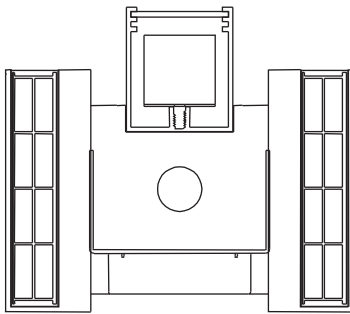
Coefficients of Utilization
% Effective Ceiling Cavity Reflectance

	80%			70%			50%		
	Wall Reflectance								
	70	50	30	70	50	30	50	30	10
0	98	98	98	93	93	93	83	83	83
1	88	84	80	83	80	76	72	69	66
2	80	73	67	76	69	64	62	58	54
3	73	64	57	69	61	54	55	50	46
4	67	56	49	63	54	47	48	43	39
5	61	50	43	58	48	41	43	38	33
6	56	45	37	53	43	36	39	33	29
7	52	41	33	49	39	32	35	29	25
8	48	37	30	46	35	29	32	26	22
9	45	34	27	42	32	26	29	24	20
10	42	31	24	40	30	23	27	22	18

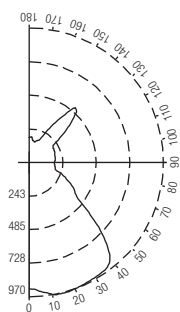
20% Floor Cavity Reflectance

Distribution			
Zone	Lumens	% Lamp	%Luminaire
0-90	3136	63.0	72.0
90-180	1216	24.0	28.0
0-180	4352	87.0	100.0

LFK-2 1 Light T5 With Louver



Candlepower Curve



Report No.: IFL54308
Lamps: 1-F54T5
Lumens: 5000
Efficiency: 73.5%

Zone Deg.	0	22	45	67	90
Candlepower					
180	183	183	183	183	183
175	183	184	184	186	186
165	184	184	162	155	152
155	180	162	166	178	184
145	170	153	200	334	392
135	156	160	350	475	452
125	135	186	342	236	211
115	100	237	141	182	199
105	60	66	115	170	192
95	16	38	90	155	187
90	0	28	80	148	180
85	11	40	90	157	184
75	57	104	150	196	196
65	113	263	234	286	304
55	183	322	495	412	412
45	349	466	657	762	763
35	513	618	733	871	949
25	667	748	832	913	961
15	798	841	909	952	975
5	896	905	920	928	933
0	912	912	912	912	912

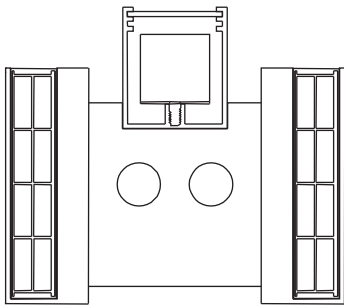
Coefficients of Utilization
% Effective Ceiling Cavity Reflectance

Room Cavity Ratio	80%			70%			50%		
	Wall Reflectance								
	70	50	30	70	50	30	50	30	10
0	82	82	82	77	77	77	69	69	69
1	74	71	68	70	67	64	60	58	56
2	68	62	57	64	59	55	52	49	46
3	62	55	49	58	52	47	46	42	39
4	57	49	43	53	46	41	41	37	34
5	52	43	37	49	41	36	37	33	29
6	48	39	33	45	37	32	34	29	25
7	45	35	29	42	34	28	31	26	23
8	42	32	26	39	31	25	28	23	20
9	39	29	24	37	28	23	26	21	18
10	36	27	22	34	26	21	24	19	16

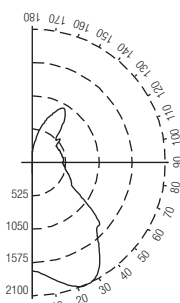
20% Floor Cavity Reflectance

Distribution			
Zone	Lumens	% Lamp	%Luminaire
0-90	2506	50.0	68.0
90-180	1170	23.5	32.0
0-180	3677	73.5	100.0

LFK-3 2 Light T5 Open Shielding



Candlepower Curve



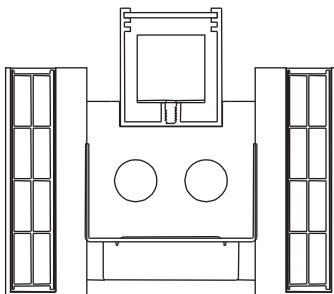
Report No.: IFL54307
Lamps: 2-F54T5
Lumens: 5000
Efficiency: 87.2%

Zone Deg.	0	22	45	67	90
Candlepower					
180	161	161	161	161	161
175	159	182	218	243	257
165	154	285	449	566	607
155	146	400	337	831	891
145	136	507	838	931	913
135	118	566	764	583	518
125	93	585	398	481	463
115	65	353	316	423	468
105	36	132	277	424	482
95	11	88	228	405	492
90	0	73	208	394	483
85	31	107	237	418	503
75	280	331	383	512	566
65	586	774	611	632	673
55	876	1228	1123	1048	960
45	1133	1497	1548	1446	1445
35	1352	1627	1892	1890	1856
25	1527	1692	1941	2078	2109
15	1646	1722	1846	1937	1979
5	1712	1720	1745	1751	1760
0	1709	1709	1709	1709	1709

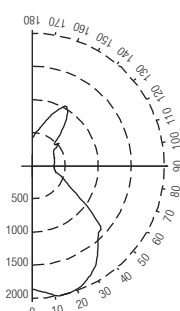
Coefficients of Utilization
% Effective Ceiling Cavity Reflectance

		80%			70%			50%		
		Wall Reflectance								
Room Cavity Ratio	0	70	50	30	70	50	30	50	30	10
	1	97	97	97	92	92	92	82	82	82
	2	88	84	80	83	79	76	71	69	66
	3	80	73	67	75	69	64	62	58	54
	4	73	64	57	69	61	55	55	50	45
	5	67	57	49	63	54	47	48	43	39
	6	61	50	43	58	48	41	43	38	33
	7	56	45	38	53	43	36	39	33	29
	8	52	41	33	49	39	32	35	30	25
	9	48	37	30	46	35	29	32	26	22
	10	45	34	27	42	32	26	29	24	20
	42	31	24	40	30	23	27	22	18	
20% Floor Cavity Reflectance										
Distribution										
Zone		Lumens			% Lamp		%Luminaire			
0-90		6130			61.1		70.0			
90-180		2586			26.1		30.0			
0-180		8716			87.2		100.0			

LFK-4 2 Light T5 With Louver



Candlepower Curve



Report No.: IFL54309
Lamps: 2-F54T5
Lumens: 5000
Efficiency: 74.9%

Zone Deg.	0	22	45	67	90
Candlepower					
180	421	421	421	421	421
175	422	440	472	488	498
165	417	511	573	627	651
155	403	535	724	874	934
145	380	578	892	955	922
135	340	633	779	558	476
125	287	637	365	422	388
115	210	364	255	329	360
105	125	122	209	311	351
95	29	70	163	280	339
90	0	52	145	266	324
85	21	78	167	284	334
75	114	209	292	373	364
65	229	411	495	536	551
55	365	639	842	939	935
45	704	960	1150	1296	1427
35	1036	1266	1458	1618	1710
25	1354	1524	1705	1843	1923
15	1629	1710	1863	1955	2003
5	1830	1846	1880	1900	1914
0	1869	1869	1869	1869	1869

Coefficients of Utilization
% Effective Ceiling Cavity Reflectance

Room Cavity Ratio	80%			70%			50%		
	Wall Reflectance								
	70	50	30	70	50	30	50	30	10
0	83	83	83	78	78	78	69	69	69
1	75	72	69	71	68	65	60	58	56
2	69	63	58	64	59	55	53	49	47
3	63	56	50	59	52	47	47	43	39
4	58	49	43	54	47	41	42	37	34
5	53	44	38	50	42	36	37	33	29
6	49	40	34	46	38	32	34	29	26
7	45	36	30	43	34	29	31	26	23
8	42	33	27	40	31	26	28	24	20
9	39	30	24	37	29	23	26	21	18
10	37	28	22	35	26	21	24	20	17

20% Floor Cavity Reflectance

Distribution			
Zone	Lumens	% Lamp	%Luminaire
0-90	4877	49.0	65.0
90-180	2609	25.9	35.0
0-180	7485	74.9	100.0

Ordering Information

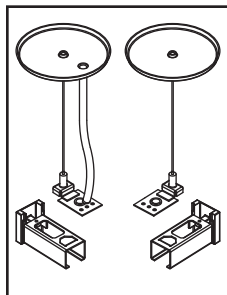
Family	Lamps	Shielding	Wattage	Voltage	Length	Options
LFK	<div>1 = 1 Lamp per 4 foot</div> <div>2 = 2 Lamps per 4 foot</div>	<div>N = Open</div> <div>L = Louver</div>	<div>28 = 28w T5</div> <div>54 = 54w T5</div> <div>2D = 28w T5 Dimming</div> <div>5D = 54w T5 Dimming</div> <div>2E = 28w T5 Emergency Pack</div> <div>5E = 54w T5 Emergency Pack</div>	<div>1 = 120v</div> <div>2 = 277v</div>	<div>4 = 4 Foot</div> <div>8 = 8 Foot</div>	<div>DS = Dual Switch</div> <div>X4 = 4 Through Wires</div> <div>X5 = 5 Through Wires</div>

Individual Fixtures

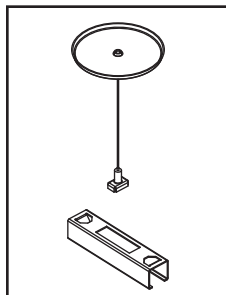
1. Order number of MODULES required.
2. Order one POWER FEED END SET per module.

Continuous Runs

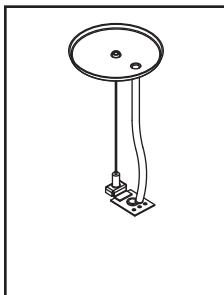
1. Determine run length.
2. Order the appropriate number of MODULES for the complete run.
3. Order one POWER FEED END SET per run.
4. Order one INTERMEDIATE CABLE SET per module minus one per run.
5. For runs that exceed amperage limits, order the appropriate number of INTERMEDIATE CABLE CORD SET.



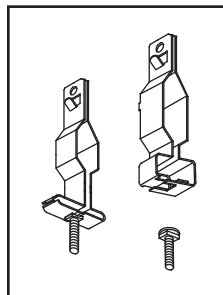
Power Feed End Set:
Cable length is 36"
Straight Cord: **LFKEC36WH**
4 Wire Cord*: **LFKEC36WHX4**
5 Wire Cord*: **LFKEC36WHX5**



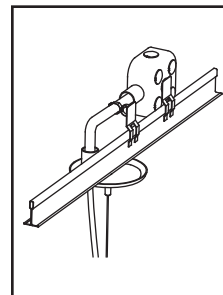
Intermediate Cable Set:
Cable length is 36"
Single Cable: **LFKC36**



Intermediate Cable/Cord Set:
Cable length is 36"
Straight Cord: **LFKCC36**
4 Wire Cord: **LFKCC36X4**
5 Wire Cord: **LFKCC36X5**



Ceiling Grid Kit (CGK):
Includes both standard 1" Tee and Slot Tee Clip. Order one for every non-powered suspension point.



Ceiling Grid Kit—Power (CGKP):
Includes the hardware necessary to install a power feed above a suspended ceiling. J-box not included. Order one for every powered suspension point.

Architectural
Profiles



Round



Square



Recessed



Cove



Accent



Custom





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